



US Army Corps
of Engineers®



Burns Waterway Harbor, IN

Project Features

- Located on Lake Michigan in the city of Portage, Lake County, Indiana. .
- Authorization: Rivers and Harbors Act of 1965.
- Controlling depths are -30 ft. L.W.D in the approach channel, -28 ft. in the outer harbor, and -27 ft. in both harbor arms.
- 56th leading U.S. port with 9.8M tons of material shipped or received in 2005.
- Ranked 3rd in tonnage on Lake Michigan, and 8th in tonnage among all 62 Federal commercial harbors on the Great Lakes.
- 5,830 linear feet of rubblemound breakwater structures.
- 2.5 miles of Federal Channel combined within the approach, outer harbor, and east and west arms.
- Major stakeholders include Mittal Steel, Tanco Terminals, and 29 other tenants - 14 of which are steel-related industries.

Project Needs

- Accumulated sediments within harbor contain ammonia, phosphorus and arsenic at levels above strict Indiana environmental guidelines. Disposal options are currently under negotiation with state regulators.
- There is 240K cubic yards of sediment in the outer basin, the East Arm and the West Arm. Loss of depth in 2007 was 2 to 3 feet
- A narrow half-width channel will be dredged to full project depth in 2007 in all critical areas of the federal project so Great Lakes and ocean ships can approach all active terminals/docks.
- The rubblemound breakwater is the harbor's only protective structure. Its current condition is good, after a 10-year restoration effort. Only one remaining 1,300 foot section still needs repairs. Prior to this major repair effort, the breakwater was thoroughly inadequate and



permitted dangerous conditions within the harbor.

Consequences of Not Maintaining the Project

- Light loading - loss of between 3 and 4 feet of channel depth due to shoaling and lake level results in increased transportation costs of between \$4.4M and \$6.8M annually.

Transportation Importance

- Commodities are iron ore, steel products, limestone, grain, chemicals, fertilizers, and coal. The port handles over 15% of all U.S. steel trade with Europe.
- Mittal Steel's Burns Harbor facility is one of the largest steelmaking facilities in North America. It operates two blast furnaces, has a total raw steelmaking capability of 4.7M tons annually, and primarily serves the automotive industry. Principal products made are hot-rolled, cold-rolled and coated-sheet products. Other markets served include appliances, construction, office furniture and rail cars.
- The harbor provides safe refuge for inland river barges traveling between Gary Harbor, Indiana Harbor, and Calumet Harbor.
- Bulk commodities that pass through Burns Harbor generate nearly \$180M annually in direct revenue which supports nearly 2,300 jobs.
- These jobs generate nearly \$84M per year in personal income.

**U.S. Army Corps of Engineers Fiscal Year (FY) 2007, 2008 and 2009
Burns Waterway Harbor, IN Project Needs and President's Budget (\$1,000)**

Work Package	FY07 Need	FY07 Work Plan	FY08 Need	FY08 Budget	FY09 Need	FY09 Budget*
Project Condition Surveys	146	0	152	152	160	
Maintenance Dredging – Primary Work Package	0	3,591	1,813	1,813	0	
Outer Breakwater Repairs – by Govt. Floating Plant	883	0	1,715	1,715	0	
TOTALS	1,029	3,591	3,680	3,680	160	

* FY09 President's Budget will be available in February 2008